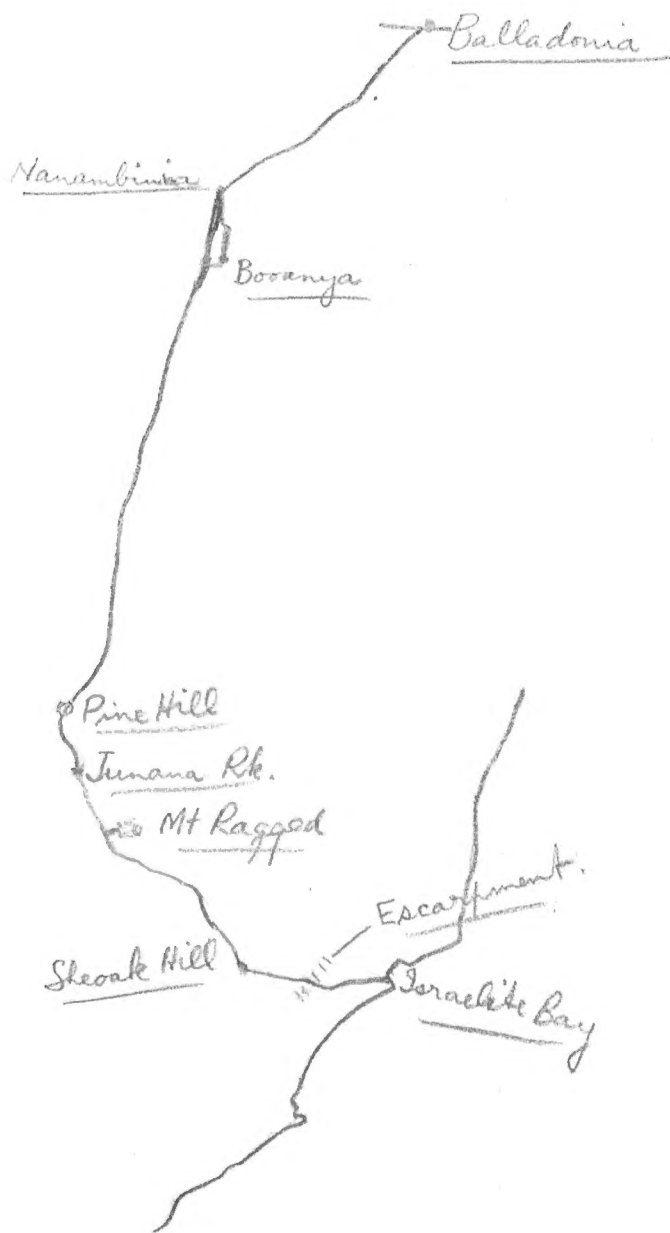


Collection no. 49

J.H. Calaby

5-15/12/53

Coolgardie -
Balladonia area
W.A.



Map of track
taken from Balladonia
to Israelite Bay.



0 10 20 30 40
| | | | |
Miles

Note: That large box 2
and part of large box 1
Cross-pinned with mickel pins.

Acrididae

Box 2

Perth to Norseman.

Jamun 45758

Bungilla 764

Collected 45764.

5 Dec. 1953.

Cirphyla sp. n., *Umisia rugosa*, *Macrotoma* sp., *Austroicetes*
Sand plain with sclerophyll shrubs and a fair amount
of dried grass.

12 acridids, 4 flies. ✓

Doodlakine 782

Collected 45785

5 Dec. 1953

Paspalum sp., *Genus* nov. 16(?), *Austroicetes* sp.
Acacia and mallee scrub on almost bare laterite, some
grass tussocks.

4 acridids. ✓

Collected 45795

5 Dec. 1953

Tapesia sp., *Chortoicetes terminifera*
"Island" in a dry salt lake. Fairly thick dry grass
in center, thin on edge. Some saltbush.

7 acridids, 3 flies, 1 wasp, 1 cockroach.

Hines Hill 796.

Collected 45807

5 Dec 1953

Pycnostictus sciratus, *Umisia guttulosa*, *Macrotoma* sp.,
dry grass around edge of a large flat granite
slab, bordering a reedy area.

14 Acridids ✓

45808 = *Meridius*.

Coll. 45811

5 Dec. 1953.

Coryphistes sp., *Gonimacra* sp., *Pteronotus* sp. n., *Azelota* sp.,
Eucalyptus, little undergrowth - some dried grass, a
few shrubs, some *Kochia*, fair amount of litter.

20 acridids. ✓

Southern Cross

45877

Coll.

45914

5/Dec/53

3 beetles,

Uromisa guttulosa

1 Acridid caught ✓

at light at night.

Dec. 6.

45934

6/12/53

Light coloured sand, with *Acacia*, *Casuarina*,
etc scrub.

3 Acridids, 1 beetle. ✓

Coll.

45937

6/12/53

Peperomia sp., *Conyocarpus* sp., *Leucospermum* sp., *Opuntia maculata*,
Eucalypt and sclerophyll shrubs on red-yellow
 sandy soil. Dried grass on sides of road and in
 clearings. *Chorizanthe tenuifolia*, *Acacia* sp., *A. pusilla*

18 Acridids.

(This series continued in

Box 1)

[A pair of *Phasmoda* taken in cop. from this locality,
are in large Box 2.]Box 1.

45937

6/12/53.

Continued

23 Acridids, 1 beetle, 3 flies ✓

Boorabbin

938.

collected

45968.

6/12/53

Gonocarpus sp., *Opuntia maculata*, *Uromisa guttulosa*,
 Mallee on light sand much *Triodia*, bare sand,
 some shrubs.

10 Acridids. ✓

45976

Bulla Bulling

Coolgan die 45 995.

Collect.

46011

6/12/33.

Red soil with mallee and shrubs. Insects of
 June 26. *Dialicta maculosa*, *Episuris* 16(?), *Pomoxis* sp. n.,
 dried *Idia*, *Danthonia* and other grasses.
Unisa gutturalis, *Apophis* sp., *Macrobathra* sp., *Cyclops* sp.
 26 Acridids, 1 fly. ✓

Collect

4603.1

6/12/53

Collect 46031 6/12/53.
Parasacia sp. n., *Apotropis* sp., *Hyzelata* sp., *Chortocites*.
 Grinlet and other Eucalypts. Undergrowth of
Terminalia, *Austrocytes*, *grater*, *A. pusilla*
 blue bush and some dried grass and annual
 herbs.

14 Acridids, 1 wasp, 1 fly ✓

Widgiemooltha 46043.

7 Dec

46056

7/12/53

46056 7/12/53
Monastria sp. n., *Pardillana* sp., genus nov. 31, *Analetta*
Eucalypt + *Melaleucas* mostly. Under cover
maculata, *Porraocia* sp. n., *Azcolata* sp., *Austroicetes* sp. n.
 fairly sparse, mostly *Rochia* and *Atriplex*.

11 Acridids, 1 cockroach, 1 Scarab, 7 flies. ✓

46066

7/12/53.

Similar to ^{scrub no. 44} preceding.

1 Acridid, 1 Jabamid ✓

46095

7/12/53.

46095 7/12/53.
Complistes sp., *Goniaca* sp., *Unisa guttulosa*, *Histrioacrida*
 Rocky granite outcrop sloping to a flat with a
 rosemary scrub. Scrub nov. 44, Scrub 7 sp. 48, *Azobolus* sp., *Chorizetes*
 fair cover of large *Triodia* hummocks with odd
Lernaeifera, *Austrospicula* fraseri, *A. pusilla*
 mallee trees etc. Dried grass and herbs on the
 edge of the *Triodia*.

[In this box 12 acridids; Series continued in next box (4). - See additional information on Histrioacrida in Calaby's letters of 9/1/54 & 10/2/54.

46087

089. *Urnisa guttulosa*, *Chostocetes terminifera*
Sandy foreshore of Lake Cowan. A few plants.

4 Acridids, 1 bee, 2 flies ✓

4

Box 4.

46095 7/Dec.

Continued from previous box (1).

[In this box 23 Acridids, 1 bug, 1 fly, 3 cockroaches.]

Norseman 46101

Left " 102. — Balladonia Road →

Coll.

46105

7 Dec

Macrolophotia sp., *Goniaca* sp., *Umisa guttulosa*, *Chortoc* sp.
Mallee and *Troodia*. Some dried grass on roadside.
terminifera, *Austroicetes* *frates*
6 Acridids.

Coll.

46109.

7/12/53

Umisa sp. 42, *Qualitella maculata*, *Umisa* sp. 6(?), *Porraxia*
Saltbush, *Bassia* and dried grass. Bare sandy
area with *Eremophila* etc. Some eucalypts.
Umisa *rugosa*, *Taprota* sp., *Chortoc* *terminifera*,
Austroicetes *frates*, *A. pusilla*
20 acridids, 1 wasp, 1 fly, 3 cockroaches. ✓

46120. 7/Dec.

Bulldania Rock.

1 fly. ✓

46130

7/Dec.

Pardalipia sp., *Prosopis* sp., *Goniaca* sp., *Qualitella maculata*,
Sort of big mallee on red sandy soil. Some shrubs.
Porraxia sp. n., *Umisa guttulosa*, *Apotropeis* sp., *Azelota* sp.,
Plenty of *Troodia* and bare sand.
Austroicetes *frates*
1 acridid, 3 cockroaches. ✓

46130.

8/12/53.

In this box, 11 acridids. ✓

[This series is out of place. Further specimens
from this locality in large wooden Box 1.]

5
46135 = Bedonia Rock.

8 Dec.

Qualetta maculata, *Pycnostictus seriatus*, *Austroicetes frates*,
Few acres of fairly bare soil with very short dried
A. pusilla
grass and *Bassia*.

11 Acridids. ✓

Collected 46156. 8 Dec.

Pardillana sp., *Apotropis* sp.

Mallee and Eucalypt trees on reddish sand.
a few shrubs and a few *Triodia* hummocks.

2 Acridids. ✓

turn off to Smithania Rock = 158

Smithania Rock = 159.

Macrolopholia sp., *Ephraurus* sp., *Qualetta maculata*,
Large granite rock surrounded by several acres of
Pycnostictus seriatus, *Umisia guttulosa*, *Apotropis* sp.,
dried grass and herbs. Clumps of "jam" trees.
Chorthippus terminifer, *Austroicetes frates*, *A. pusilla*

35 Acridids. ✓

Main Road = 161.

~~Fraser Range Hsd. turnoff 168.~~

~~Collected 46179. 8 Dec~~

Fraser Range Gate = 46167 8 Dec

Pycnostictus seriatus, *Austroicetes frates*, *A. pusilla*
Patch of dried grass with saltbush and some
Eucalypts.

6 Acridids, 1 fly. ✓

~~Large Wood~~ Fraser Range Hsd. turnoff. = 168.

~~Box 1. Collected 46179. 8 Dec.~~

~~Stony hill slope with much *Triodia* patches of bare
dark red sand, some stunted shrubs and mallees.~~

6

Large Wooden Box 1.

46130 8 Dec [continued from Box 4]

In this box, [7 acridids, 4 flies] ✓

Collected 46179 8, Dec.

Moraba sp. n. 2, *Qualetta maculata*, *Umisia guttulosa*,
Stony Hill slope with much *Triodia* patches of
Umisicella rubropunctata, *Genus* nov. 48, *Pezomachus* sp. f.
dark red sand, some stunted shrubs and mallee.
Azidota sp. 1
313 Acridoids. ✓

Collected 46180, 9 Dec.

Genus nov. 42, *Pardillana* sp., *Coryphistes* sp., *Gonimacra* sp.,
Hill with stony soil. Mallee and Eucalypt trees, few
Pezomachus sp. n., *Umisia guttulosa*, *Tapscata* sp., 1
shrub, much litter. Surrounded by *Triodia*; flat
Pezomachus sp., *Azidota* sp., *Chortocicco* *terminifera*, *Austroicetes*
big hummocks.
frater
23 Acridids, 2 cockroaches, 2 beetles. ✓

Collected 46184 9 Dec

Macrolopholia sp., *Pardillana* sp., *Coryphistes* sp., *Qualetta*
large bare area with short grass and *Bassia*
maculata, *Psychotictus* *seriatus*, *Umisia guttulosa*, *Tapscata* sp.,
fairly extensive areas of **paltbush** *Eucalypts* with
Genus nov. 48, *Azidota* sp., *Chortocicco* *terminifera*, *Austroicetes*
sparse shrubs and litter, and *Triodia*.
frater
4 Cockroaches, 5 flies, 24 Acridids, ✓

turn off to Newman Rocks 46195

Newman Rocks. 46196

Macrolopholia sp., *Respulia* sp., *Coryphistes* sp., *Gonimacra* sp.,
Large Granite Rocks with Eucalypt trees and
Qualetta maculata, *Psychotictus* *seriatus*, *Respulia* sp.,
sparse bluebush, fairly bare areas with short
Umisia guttulosa, *Umisicella rubropunctata*, *Tapscata* sp.,
dried grass and herbs, and *Triodia*
Genus nov. 48, *Azidota* sp., *Chortocicco* *terminifera*, *Austroicetes*
23 Acridids, 2 flies. ?
frater, *A. pusilla*

35 acridids, 4 beetles, 1 cockroach, 6 flies,

10 Dec

Main Rd.

46246.

Balladonia 46244

Turned WSW to Margooma Rocks 248

(probably only a local name)

Collected 46248

10/12/53.

Genus nov. 32(?), *Rhipidura* sp., *Pardaliparus* sp., *Corophya* sp.,
Large flat granite rock with thin dried grass and herbs
Sonchica sp., *Chaetochloa* sp., *Pycnostictus* sp., *P. sp. n.*,
Surrounded by good saltbush with clumps of
Genus nov. 6(?), *Porraxia* sp. n., *Utricularia* sp., *Utricularia* sp. 32,
Eucalyptus sp., *Acacia* sp., *Austroicetes* *pusilla*, *A. frater*

51 Acridids, 23 Beetles, 7 flies, 2 wasps. ✓

11 December

Back to Balladonia = 252

Main Road = 253.

turned SW to Nanambina Str.

Collected 46259.

Genus nov. 32(?), *Pycnostictus* *seriatus*, *Azotata* sp.,
Atriplex - *Kochia* community. Small amount of
Chortocites *terminifera*, *Austroicetes* *nullaborensis*
dried grass, a few *Myoporum* trees.
8 Acridids, 5 Tabanids. ✓

Balladonia = 46252 11/12/53

Pycnostictus *seriatus*, *P. sp. n.*, *Atriplex* *tenuifolia*, *Utricularia*
Acridids very scarce here except in the *Juncus* and
guttulosa, *Bufonaria* sp., *Macrotoma* sp., *Azotata* sp.,
more or less green grass around the only dam with
Chortocites *terminifera*, *Austroicetes* *pusilla*, *A. nullaborensis*, *A. frater*
water, where the collecting was done. *Bufonaria* on
bluebush community.

28 Acridids, 2 flies, ✓

Collected 46261

11/12/53

Rhipidura sp., *Corophya* sp., *Sonchica* sp., Genus nov. 46,
Fair number of *Eucalypt* trees with much leaf litter, and
Pycnostictus sp. n., *Porraxia* sp. n., *Utricularia* *rugosa*,
a few shrubs. Community generally *Atriplex* -
Kochia.
Apotrope sp., *Austroicetes* *frater*

16 Acridids, 4 tabanids ✓

8

Nanambinia Sm. 46274. 11/Dec.

Collected *Nioborus taenialis*, *Pycnostictus* sp. n., *Macrostoma* sp.,
only in the *Juncus* and green herbage around
Chorizandra terminifera
a dam.

7 Acridids. ✓

Stk to

turned SSW to Emu Rock 46279, 11 Dec

(probably local name only)
Macrosiphia sp., *Genus* nov. 32(?), *Replecia* sp., *Pardillana*
Large granite rock with dried off grass and
sp. *Coryphistes* sp., *Lonicia* sp., *Qualetha maculosa*, *Pycnostictus*
herbs, Eucalypt trees with under cover of blue bush
sp. n., *Genus* nov. 6(?), *Porracia* sp. n., *Pycnostictus seriatus*,
salt bush and some dried off grass
Unisa rugosa, *Apotropis* sp., *Macrostoma* sp., *Azelota* sp.,

In this box 36 Acridids 2 scarabs 1 cockroach, 2 flies.
Chorizandra terminifera, *Austroicetes pusilla*, *A. frater*
Series continued in large box 2.

Large Box 2.

46279. 11. Dec.

10 Acridids (first pair in box, in cop.)

12 Dec

Proceeded to Booranya. (more or less Stk to S.S.W.)

Booranya = 46283. 12/Dec.

Pardillana sp., *Coryphistes* sp., *Nioborus taenialis*, *Uromia*
Large granite rock surrounded by country very
Gottulosa sp., *Pycnostictus seriatus*, *P. sp. n.*, *Uromia rugosa*,
closely grazed (very short dry grass and herbs and a few
shrubs), *Genus* nov. 32, *Chorizandra terminifera*, *Austroicetes pusilla*,
a few Eucalypts. Some short green grass
around a dam.

1 fly, 23 acridids. ✓

W to WSW

proceeded back to main Israelite Bay
Track.

9

Collected ^{Beplessia sp., Soniaca sp.} 46287 12th Dec.
Chiefly Eucalypts and Melaleucas with an understratum
of Atriplex - Kochia. Much Bare soil.
7 acridids. ✓

Collected 46293 12 Dec.
^{Beplessia sp., Comphosites sp., Soniaca sp., Azelota sp.}
Similar to preceding.
11 acridids, 5 Tabanids. ✓

Collected 46321.
<sup>Comphosites sp., Qualista maculata, Apotopis sp.,
Azelota sp., Chortocetes tenuifera</sup>
granite rocks with some dried grass and shells
Eucalypt, some Callitris and shrubs.
5 acridids, 10 Acarabs, 2 wasps, 5 flies, 1 bug ✓

13 Dec

(13/12/53) Collected 46329 = Pine Hill. (poss. local
name only.)
<sup>Moraba sp., Eupis nov. sz, Pardillana sp., Resputia sp.,
Phaulacridium vittatum, Soniaca sp., Peridictya sp. n.,
Macrotoma sp., Azelota sp., Chortocetes tenuifera</sup>
Eucalypt with an understorey chiefly of dried
grass. Open area of dried grass.
26 Acridids, 7 Tabanids. ✓
(Phaulacridium in very low density, only odd ones
under trees.)

Collected 46336 (13/12/53). = Junana Rock.
^{Pardillana sp., Phaulacridium vittatum} (poss. local name)
Large granite rock with some dried grass and
shrubs. Reedy swamp with Yates. ^{other} Eucalypts
some Callitris and much dried grass.
13 Acridids, 10 Tabanids ✓
(Phaulacridium density extremely low)

Turned East at 46343 towards Mt. Ragged.
Mt Ragged = 46344.

December 14.

Spent all day at Mt Ragged ⁽⁴⁶³⁴⁴⁾, collecting from foot to summit.

Mt. ^{steep} ~~every~~ ^{stone} with huge boulders and tors
Ciphrula ^{carbonaria}, Ciphrula sp. n., Conophistes sp., Gomata
and covered with short shrubs including
sp. Urtica rugosa, Apotropis sp., Genus nov. 12(?), Peckesia
stunted Eucalypts, other myrtaceous and proteaceous shrubs.
brunnea, Azelota sp., Anaspicthes fraxi
Acridid fauna similar from top to bottom.

Surrounding country vegetation fairly similar in character but on sandy or gravelly soil. Old clumps of larger eucalypts.

44 Acridoids, 1 wasp, 8 Scarabs, 19 flies ✓
(1 pair Acridids in cop. . . ✓
1 pair Moraba in cop.) ✓

December 15

Mt Ragged to Israelite Bay.

Back to main track = 46346 } same
Transferred to another vehicle = 36623 } point.

Collect. 36628 15/Dec. ✓
Moraba consobrina, Prospidimura eyrei, Conophistes sp.,
Stunted mallee and shrubs with some low
Genus nov. 16(?)
sedgey areas.

7 Acridoids. ✓

Collect. 36632 Dec. 15
Moraba consobrina, Prospidimura eyrei, Gomata sp.,
Similar to preceding except that soil colour
Genus nov. 16(?), Peckesia brunnea, Apotropis sp., Euasna
darker
inclidens, Azelota sp.
10 Acridoids, 9 Tabanids. ✓

Collect. 36639 Dec 15

= Sheoak Hill (poss. only local name)

^{Amma mossa, Pectocarya brownii, Exuma includens,}
Rice with tall shrubs of Acacia, some Mallee,
^{Argemone polytricha}
a few Casuarinas, and smaller shrubs.
Some dried grass.

6 Acridids, 5 Tabanids. ✓

Israelite Bay = 36654.

^{Coryphistes sp., Eophias sp., Phaulacridium vittatum,}
Collected only in a large patch (several
^{Pezomachus striatus, Pectocarya brownii, Modiolina sp.,}
Acacia) of dried grass (*Stipa*, etc) behind the
^{Antrostichus vulgaris coratilis}
coastal dunes, and on the fringes of the
dense scrubby Acacias among the dunes.

18 Acridids, 3 Tabanids. ✓

(Phaulacridium density very low.)

1 pair Phasmoda (data on label)

1 Monistria } coll. by A.R. Main on 28-May-1951.
1 Moraba } at Stirling Ranges.

[These have been dried from alcohol]

Return mileages from Israelite Bay to
Nanambinia, for checking purposes. The track
to Boanya was excluded on return.

Sheoak Hill = 668.

Mt Ragged farm in = 684.

Transferred back to old vehicle = 346.

Pine Hill = 360.

Boanya turn off = 403.

Nanambinia = 410.